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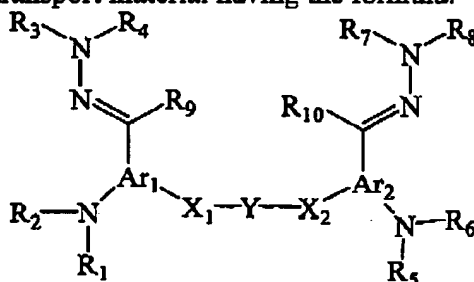
Application No. 10/815,243

AMENDMENTS TO THE CLAIMS

A detailed listing of all claims that are, or were, in the present application, irrespective of whether the claim(s) remains under examination in the application are presented below. The claims are presented in ascending order and each includes one status identifier. Those claims not cancelled or withdrawn but amended by the current amendment utilize the following notations for amendment: 1. deleted matter is shown by strikethrough for six or more characters and double brackets for five or less characters; and 2. added matter is shown by underlining.

1. (Currently Amended) An organophotoreceptor comprising an electrically conductive substrate and a photoconductive element on the electrically conductive substrate, the photoconductive element comprising:

(a) a charge transport material having the formula:



where R₁, R₂, R₃, R₄, R₅, R₆, R₇, and R₈, are, each independently, an alkyl group, an alkenyl group, an alkynyl group, an aryl group, or a heterocyclic group;

R₉ and R₁₀ are, each independently, H, an alkyl group, an alkenyl group, an alkynyl group, an aryl group, or a heterocyclic group;

Ar₁ and Ar₂ are, each independently, an aromatic group;

Y comprises an arylamine group; and

X₁ and X₂ comprise, each independently, a -(CH₂)_m-N(R₁₁)-N=C(R₁₂)- group, where R₁₁ and R₁₂ are, each independently, hydrogen, an alkyl group, an alkenyl group, an alkynyl group, an aryl group, or a heterocyclic group, m is an integer between 1 and 30, inclusive, and one or

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more of the methylene groups is optionally replaced by O, S, N, C, B, Si, P, C=O, O=S=O, a heterocyclic group, an aromatic group, an NR_a group, a CR_b group, a CR_cR_d group, or a SiR_eR_f where R_a , R_b , R_c , R_d , R_e , and R_f are, each independently, a bond, H, a hydroxyl group, a thiol group, a carboxyl group, an amino group, an alkyl group, an alkoxy group, an alkenyl group, an alkynyl group, a heterocyclic group, an aromatic group, or a part of a ring group; and

(b) a charge generating compound.

2. (Original) An organophotoreceptor according to claim 1 wherein Y comprises a carbazole group, a julolidine group, or an (N,N-disubstituted)arylamine group.

3. (Currently Amended) An organophotoreceptor according to claim 1 wherein $[[X]] \text{X}_1$ and $[[X']] \text{X}_2$ are, each independently, a $-\text{Q}_1-\text{CH}_2-\text{CH}(\text{Q}_2\text{H})-\text{CH}_2-\text{N}(\text{R})-\text{N}=\text{C}(\text{R}')$ - group where Q_1 and Q_2 are, each independently, O, S or NR'' , and R, R', and R'' are, each independently, hydrogen, an alkyl group, an alkenyl group, an alkynyl group, or an ~~aromatic~~ aryl group.

4. (Original) An organophotoreceptor according to claim 1 wherein Ar_1 and Ar_2 are, each independently, an aromatic C_6H_3 group.

5. (Original) An organophotoreceptor according to claim 1 wherein the photoconductive element further comprises a second charge transport material.

6. (Original) An organophotoreceptor according to claim 5 wherein the second charge transport material comprises an electron transport compound.

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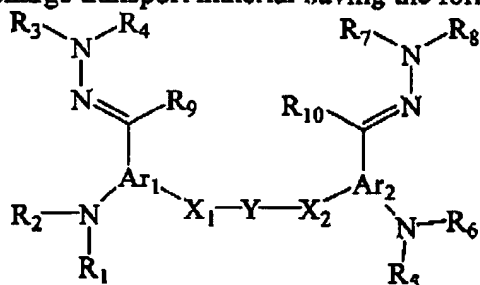
7. (Original) An organophotoreceptor according to claim 1 wherein the photoconductive element further comprises a binder.

8. (Currently Amended) An electrophotographic imaging apparatus comprising:

(a) a light imaging component; and

(b) an organophotoreceptor oriented to receive light from the light imaging component, the organophotoreceptor comprising an electrically conductive substrate and a photoconductive element on the electrically conductive substrate, the photoconductive element comprising:

(i) a charge transport material having the formula



where R_1 , R_2 , R_3 , R_4 , R_5 , R_6 , R_7 , and R_8 , are, each independently, an alkyl group, an alkenyl group, an alkynyl group, an aryl group, or a heterocyclic group;

R_9 and R_{10} are, each independently, H, an alkyl group, an alkenyl group, an alkynyl group, an aryl group, or a heterocyclic group;

Ar_1 and Ar_2 are, each independently, an aromatic group;

Y comprises an arylamine group; and

X_1 and X_2 comprise, each independently, a $-(CH_2)_m-N(R_{11})-N=C(R_{12})-$ group, where R_{11} and R_{12} are, each independently, hydrogen, an alkyl group, an alkenyl group, an alkynyl group, an aryl group, or a heterocyclic group, m is an integer between 1 and 30, inclusive, and one or more of the methylene groups is optionally replaced by O, S, N, C, B, Si, P, C=O, O=S=O, a heterocyclic group, an aromatic group, an NR_a group, a CR_b group, a CR_cR_d group, or a SiR_eR_f group.

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where R_a , R_b , R_c , R_d , R_e , and R_f are, each independently, ~~a bond~~, H, a hydroxyl group, a thiol group, a carboxyl group, an amino group, an alkyl group, an alkoxy group, an alkenyl group, an alkynyl group, a heterocyclic group, an aromatic group, or a part of a ring group; and

(ii) a charge generating compound.

9. (Original) An electrophotographic imaging apparatus according to claim 8 wherein Y comprises a carbazole group, a julolidine group, or an (N,N-disubstituted)arylamine group.

10. (Currently Amended) An electrophotographic imaging apparatus according to claim 8 wherein $[[X]]$ X_1 and $[[X']]$ X_2 are, each independently, a $-Q_1-CH_2-CH(Q_2H)-CH_2-N(R)-N=C(R')-$ group where Q_1 and Q_2 are, each independently, O, S or NR'' , and R, R', and R'' are, each independently, hydrogen, an alkyl group, an alkenyl group, an alkynyl group, or an aromatic aryl group.

11. (Original) An electrophotographic imaging apparatus according to claim 8 wherein Ar_1 and Ar_2 are, each independently, an aromatic C_6H_3 group.

12. (Original) An electrophotographic imaging apparatus according to claim 8 wherein the photoconductive element further comprises a second charge transport material.

13. (Original) An electrophotographic imaging apparatus according to claim 12 wherein second charge transport material comprises an electron transport compound.

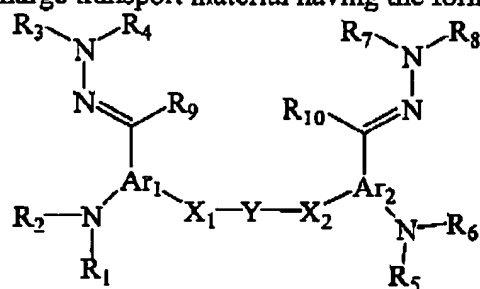
14. (Original) An electrophotographic imaging apparatus according to claim 8 further comprising a toner dispenser.

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15. (Currently Amended) An electrophotographic imaging process comprising;

(a) applying an electrical charge to a surface of an organophotoreceptor comprising an electrically conductive substrate and a photoconductive element on the electrically conductive substrate, the photoconductive element comprising

(i) a charge transport material having the formula



where R_1 , R_2 , R_3 , R_4 , R_5 , R_6 , R_7 , and R_8 , are, each independently, an alkyl group, an alkenyl group, an alkynyl group, an aryl group, or a heterocyclic group;

R_9 and R_{10} are, each independently, H, an alkyl group, an alkenyl group, an alkynyl group, an aryl group, or a heterocyclic group;

Ar_1 and Ar_2 are, each independently, an aromatic group;

Y comprises an arylamine group; and

X_1 and X_2 comprise, each independently, a $-(CH_2)_m-N(R_{11})-N=C(R_{12})-$ group, where R_{11} and R_{12} are, each independently, hydrogen, an alkyl group, an alkenyl group, an alkynyl group, an aryl group, or a heterocyclic group, m is an integer between 1 and 30, inclusive, and one or more of the methylene groups is optionally replaced by O, S, N, C, B, Si, P, C=O, O=S=O, a heterocyclic group, an aromatic group, an NR_a group, a CR_b group, a CR_cR_d group, or a SiR_eR_f where R_a , R_b , R_c , R_d , R_e , and R_f are, each independently, a bond, H, a hydroxyl group, a thiol group, a carboxyl group, an amino group, an alkyl group, an alkoxy group, an alkenyl group, an alkynyl group, a heterocyclic group, an aromatic group, or a part of a ring group; and

(ii) a charge generating compound.

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(b) imagewise exposing the surface of the organophotoreceptor to radiation to dissipate charge in selected areas and thereby form a pattern of charged and uncharged areas on the surface;

(c) contacting the surface with a toner to create a toned image; and

(d) transferring the toned image to substrate.

16. (Original) An electrophotographic imaging process according to claim 15 wherein Y comprises a carbazole group, a julolidine group, or an (N,N-disubstituted)arylamine group.

17. (Currently Amended) An electrophotographic imaging process according to claim 15 wherein $[[X]]$ X_1 and $[[X']]$ X_2 are, each independently, a $-Q_1-CH_2-CH(Q_2H)-CH_2-N(R)-N=C(R')-$ group where Q_1 and Q_2 are, each independently, O, S or NR'' , and R, R', and R'' are, each independently, hydrogen, an alkyl group, an alkenyl group, an alkynyl group, or an aromatic aryl group; and Y is a carbazole group.

18. (Original) An electrophotographic imaging process according to claim 15 wherein Ar_1 and Ar_2 are, each independently, an aromatic C_6H_3 group.

19. (Original) An electrophotographic imaging process according to claim 15 wherein the photoconductive element further comprises a second charge transport material.

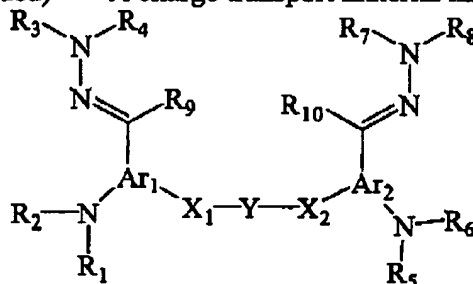
20. (Original) An electrophotographic imaging process according to claim 19 wherein the second charge transport material comprises an electron transport compound.

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21. (Original) An electrophotographic imaging process according to claim 15 wherein the photoconductive element further comprises a binder.

22. (Original) An electrophotographic imaging process according to claim 15 wherein the toner comprises colorant particles.

23. (Currently Amended) A charge transport material having the formula



where R_1 , R_2 , R_3 , R_4 , R_5 , R_6 , R_7 , and R_8 , are, each independently, an alkyl group, an alkenyl group, an alkynyl group, an aryl group, or a heterocyclic group;

R_9 and R_{10} are, each independently, H, an alkyl group, an alkenyl group, an alkynyl group, an aryl group, or a heterocyclic group;

Ar_1 and Ar_2 are, each independently, an aromatic group;

Y comprises an arylamine group; and

X_1 and X_2 comprise, each independently, a $-(CH_2)_m-N(R_{11})-N=C(R_{12})-$ group, where R_{11} and R_{12} are, each independently, hydrogen, an alkyl group, an alkenyl group, an alkynyl group, an aryl group, or a heterocyclic group, m is an integer between 1 and 30, inclusive, and one or more of the methylene groups is optionally replaced by O, S, N, C, B, Si, P, C=O, O=S=O, a heterocyclic group, an aromatic group, an NR_a group, a CR_b group, a CR_cR_d group, or a SiR_eR_f where R_a , R_b , R_c , R_d , R_e , and R_f are, each independently, a bond, H, a hydroxyl group, a thiol group, a carboxyl group, an amino group, an alkyl group, an alkoxy group, an alkenyl group, an alkynyl group, a heterocyclic group, an aromatic group, or a part of a ring group.

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24. (Original) A charge transport material according to claim 23 wherein Y comprises a carbazole group, a julolidine group, or an (N,N-disubstituted)arylamine group.

25. (Currently Amended) A charge transport material according to claim 23 wherein $[[X]]$ X_1 and $[[X']]$ X_2 are, each independently, a $-Q_1-CH_2-CH(Q_2H)-CH_2-N(R)-N=C(R')-$ group where Q_1 and Q_2 are, each independently, O, S or NR'' , and R, R', and R'' are, each independently, hydrogen, an alkyl group, an alkenyl group, an alkynyl group, or an aromatic aryl group; and Y is a carbazole group.

26. (Original) A charge transport material according to claim 25 wherein Q_1 and Q_2 are each independently O; and R is a phenyl group.

27. (Original) A charge transport material according to claim 23 wherein Ar_1 and Ar_2 are, each independently, an aromatic C_6H_3 group.